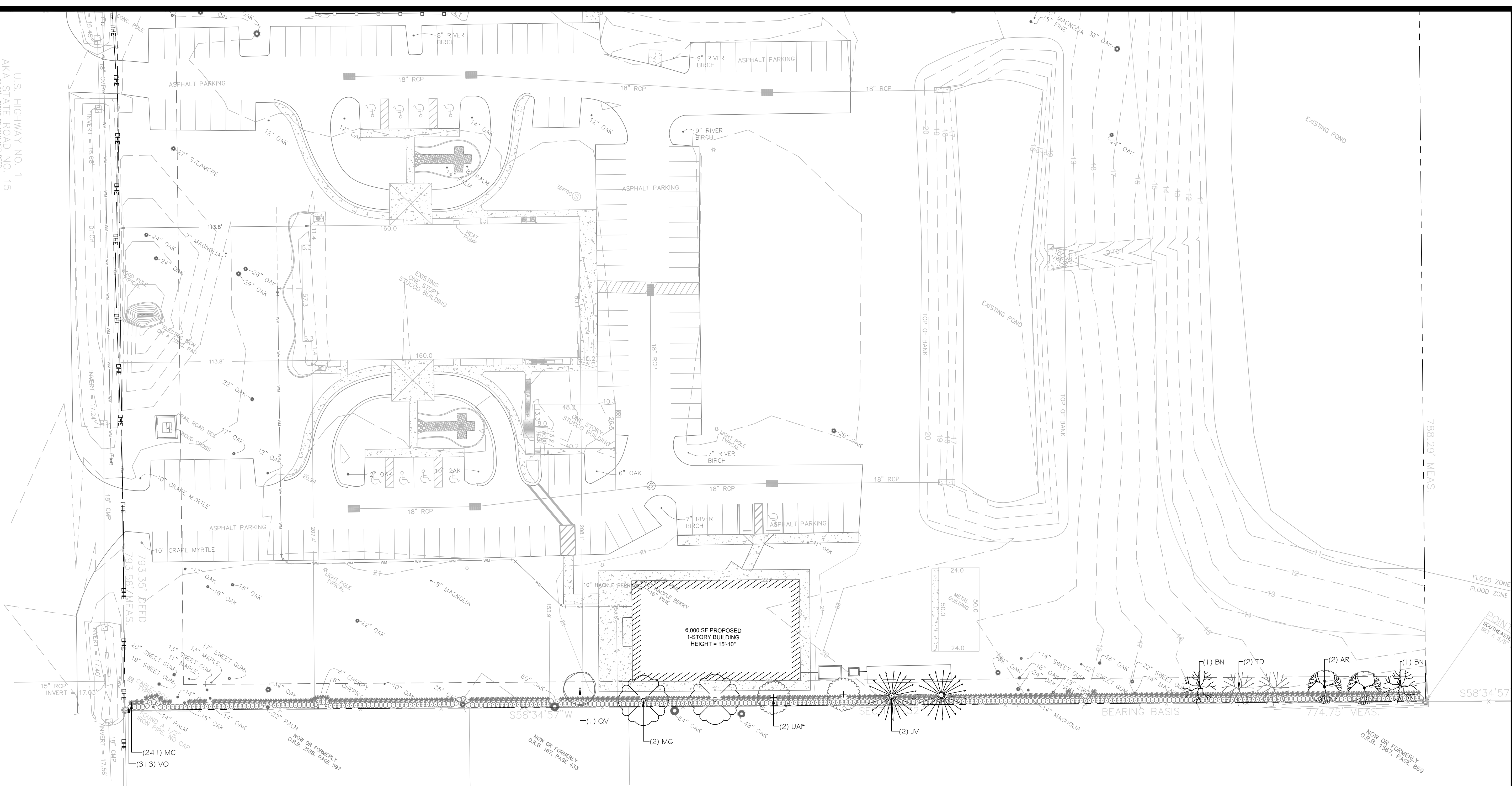


U.S. HIGHWAY NO. 1
AKA STATE ROAD NO. 15
150.00' RIGHT OF WAY PER DEED



LANDSCAPE CALCULATIONS:

PERIMETER TREES SOUTH SIDE: 775 L.F.
Low density (10' width, 3 CANOPY + 61 SHRUB / 100 L.F.)
TREES REQUIRED: 24C & 520S
TREES PROVIDED: (planted + existing) 24C & 554 S

NOTE:

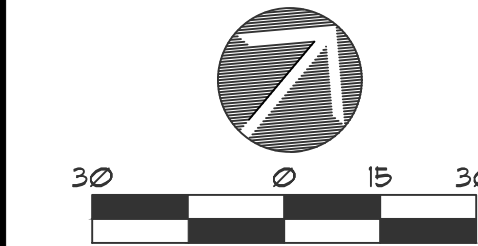
LDC 37.05 K: Maintenance.
The property owner is responsible for the maintenance of all landscape areas required by this section. Maintenance includes irrigating, mowing, trimming, fertilizing and carrying out those activities necessary to keep the plant material in a healthy and growing condition, maintain visual clearance and allow passage of vehicles and pedestrians on public roads and non-exclusive easements.
Upon determination by the county that a required tree or plant is dead or severely damaged or diseased, the tree or plant shall be replaced by the owner with plant material meeting the requirements of this section.

NOTE:

1. CONTRACTOR TO PROVIDE FULLY AUTOMATED IRRIGATION SYSTEM PROVIDING 100% HEAD TO HEAD COVERAGE
2. EACH TREE SHALL HAVE A BUBBLER HEAD
3. TREES, SHRUBS, AND SOD TO HAVE SEPERATE ZONES
4. MAIN LINE AND VALVE LOCATIONS SHOWN FOR GRAPHIC CLARITY ONLY. ALL IRRIGATION COMPONENTS TO BE WITHIN PROPERTY LINES.

ANCHOR CHURCH
541798 U.S. HIGHWAY NO. 1
CALLAHAN FL, 32011

REVISIONS :



DATE : December 6, 2023
PROJECT NO. : 2023.95
DESIGNED BY : K&R
DRAWN BY : K&R
CHECKED BY : K&R
SCALE : 1" = 30'

SHEET TITLE

LANDSCAPE
PLAN

L-1
SHEET



A & K LAND PLANNING & DESIGN, Inc.

PHONE: 904.663.4663
406 TORTOISE TRAIL, SAINT JOHNS, FLORIDA 32509
E-MAIL: AKLANDPLANNING@COMCAST.NET
AKLANDPLANNING@GMAIL.COM

1. Prior to construction the landscape contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. The landscape contractor is responsible for repairing any and all damage to the utilities, structures, site appurtenances, etc., which occurs as a result of the landscape construction.
2. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions or obstructions, notify owner's representative before planting.
3. All plants must be healthy, vigorous material, free of pests and disease.
4. All trees, palms, and shrubs shall be grade "Florida Fancy" per Grades and Standards For Nursery Plants (parts one and two), available through Florida Dept. of Agriculture and Consumer Services.
5. All plant material must be approved by the Landscape Architect before the plant material is installed.
6. Any changes to the plant material (size, type, etc.), irrigation or any other deviations from the plans must be approved by the Landscape Architect prior to the change being implemented by the contractor. The contractor must provide written proof of authorization for any changes.
7. All plants to be field grown or container grown as indicated on plant list. Store plants in shade and protect from weather. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to owner's rep. Do not remove container grown stock from containers until planting time. Protect roots of plant from drying or other possible injury. Keep plant ball moist at all times.
8. All plants shall be triangular spaced.
9. Obtain agronomic soils test for all planting areas and free pits prior to excavation of free pits. Tests shall be performed by an approved soils testing laboratory and shall include fertility and suitability analysis with written recommendations for soil amendments, fertilizer and chemical conditioner application rates for soil preparation, planting backfill mix, and post maintenance fertilization program. Submit a copy of soils report to owner's rep. and landscape architect.
10. Add soil amendments as recommended by soil test in quantities necessary to bring soil mixture to pH rating of between 5.5 and 6.0. Minerals used for pH correction shall be commercially produced for this purpose.
11. All plants and planting areas must be completely mulched as specified with three (3) inches of organic mulch. Provide 4" minimum clearance of mulch from all shrub trunks and tree trunks.
12. The landscape contractor is responsible for verifying all quantities shown on these plans, before pricing the work.
13. The planting shall be done in accordance with acceptable horticultural practices. This is to include proper planting mix, plant and tree pit preparation, pruning, staking or guying, wrapping, spraying, fertilization, planting, and adequate maintenance throughout the required maintenance period.
14. The landscape contractor is responsible for performing all planting (including but not limited to: pruning, watering, fertilizing, cultivating, weeding, mowing, mulching, tightening and repairing of guys, resetting plants to proper grade or upright position, restoration of plant saucer, and furnishing and applying such sprays as necessary to keep free of insects and diseases. The landscape contractor's responsibility for maintenance (exclusive of replacement within the guarantee period) shall terminate one year from the date of final acceptance by owner and landscape architect.
15. All trees, palms, and shrub plant material shall be warranted for a period of one year after date of completion and acceptance of the entire project. Final acceptance of all landscaping under this contract shall constitute the beginning of the guarantee period. Replace, in accordance with the drawings and specifications, all plants that are dead or, as determined by the owner's representative, are in an unhealthy or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the contractor's negligence. Furnish and plant replacements which comply with requirements as specified. We will not replace plants for the first year after installation. The cost of such replacement(s) is at the contractor's expense.
16. All plants are subject to approval by the owner's representative. Prior to planting, all trees and palms must be approved by the owner or owner's rep.
17. Standards set forth in "American Standard for Nursery Stock" represent guideline specifications only and shall constitute minimum quality requirements for plant material.
18. In the conclusion of this planting, if the owner's rep. or owner has reason to believe that the plants are not of the specified grade, he will request a re-grading or inspection, and such evidence will be the basis for requesting replacement of plants and for legal or other action according to law, should this become necessary.
19. All planting beds to be treated with pre-emergent weed control prior to planting.
20. Contractor is to check the site weekly to insure all plant material is healthy and well watered.
21. All disturbed areas to be sodded or seeded with Paspalum notatum as noted.



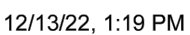
NOTES:

1. MULCH ALL PLANTING BEDS WITH 3" ORGANIC MULCH.
2. ALL DISTURBED AREAS NOT OTHERWISE LANDSCAPED SHALL BE SODDED WITH BAHIA SOD.
3. ALL PLANT MATERIAL TO BE FLORIDA NO. 1 QUALITY OR BETTER.
4. NO SUBSTITUTIONS WITHOUT PRIOR WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
5. ALL TREES AND PLANTS SHALL MEET MINIMUM SPECIFIED SIZES IN INCHES AND FEET, REGARDLESS OF CONTAINER SIZE INDICATED. WHERE DIFFERENCES OCCUR, THE LARGER SPECIFICATION SHALL PREVAIL.
6. CONTRACTOR TO VERIFY ALL QUANTITIES

MARCH-NOVEMBER (DAYLIGHT SAVINGS TIME)

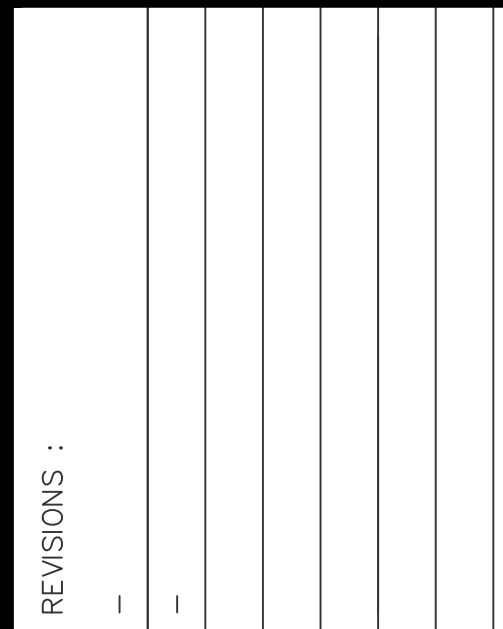
- NO WATERING FROM 10AM TO 4 PM
- ODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z OR NO ADDRESS MAY WATER ON WEDNESDAY AND SATURDAY
- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON THURS. AND SUNDAY
- NON-RESIDENTIAL ADDRESSES MAY WATER ON TUESDAY AND FRIDAY
- APPLY UP TO $\frac{1}{2}$ - INCH OR LESS OF WATER EACH CYCLE

- NO WATERING FROM 10 AM TO 4 PM
- ODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z NO ADDRESS MAY WATER ON SATURDAY
- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON SUNDAY
- NON-RESIDENTIAL ADDRESSES MAY WATER ON ONLY ON TUESDAY
- APPLY UP TO $\frac{3}{4}$ - INCH OR LESS OF WATER ONE TIME PER WEEK



Plant material. All installed trees, shrubs and groundcovers shall conform to the standards for Florida Grade #1 or better according to the current edition of "Grades and Standards for Nursery plants" published by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry. Synthetic or artificial trees, shrubs, groundcovers or vines are not acceptable substitutes. In choosing plant materials, consideration should be given to the amount of sun or shade, the wetness or dryness of the soil, the effects of salt spray (where applicable), the amount of irrigation required and the mature size and spatial needs of plants chosen.

1. The minimum number of trees required by this section shall be either qualifying existing trees preserved on-site or more than one species listed in Tables 37-1 or 37-2. Trees planted in addition to these minimum requirements of this section may be any species of canopy tree or palm except for the prohibited species listed herein. In order to prevent a monoculture, new landscaping should not include more than fifty (50) percent of any one genus or twenty-five (25) percent of any one species. All trees shall be planted in a minimum dimension of ten (10) feet. This minimum planting area must be free of all pavement and vehicle overhang in order to prevent possible tree damage. All trees shall have a minimum trunk diameter, measured six (6) inches above ground level, in accordance with Table 37-3.
2. Shrubs shall have a minimum height of eighteen (18) inches when planted. When planted as a hedge, the maximum spacing is 30 inches on center. All shrubs used for visual screening shall be of a plant species that is capable of reaching a height of four (4) feet within twenty-four (24) months under normal growing conditions. Shrubs used as accent ground cover and vines may vary in size depending on the type of plant material and the desired effect.
3. Groundcovers shall be planted in such manner as to present a finished appearance and complete coverage within one (1) year after planting.
4. LDC Section 37.05 (B)(1) -All trees shall be planted in a minimum dimension of ten (10) feet. This minimum planting area must be free of all pavement and vehicle overhang in order to prevent possible tree damage.
5. LDC Section 37.05 (B) -All trees planted shall be staked or guyed for a period of at least six (6) months in accordance with the adopted planting detail.
6. LDC Section 37.05 (H)(4)-All planting areas shall be mulched with approximately three inches of organic mulch, such as pine bark or shredded hardwood chips.
7. LDC Section 37.05 (K)(2) -All buffer areas required as part of a development plan, whether in common or private ownership, shall be the responsibility of that development's property owners' association. Where there is no property owners' association, such landscaped areas shall be the responsibility of the property owner.
8. LDC Section 37.05 (K)(3) -Trees on developed properties may be pruned to maintain shape and promote their shade-giving qualities. They should be pruned to remove diseased or dying portions in areas where falling limbs could be a hazard to people or property. Lower limbs may be removed to provide clearance. In addition, trees located in association with vehicular use areas shall also be pruned to allow a seven-foot clearance from ground level to avoid potential for damage or injury to pedestrians and cleared to thirteen (13) above pavement level for vehicles. However, the excessive pruning or pollarding of trees into round balls of crown or branches resulting in an unnecessary reduction of shade is prohibited and may require supplemental plantings. All pruning shall be done following the American National Standard for Tree Care Operations "Tree, Shrub and Other Woody Plant Maintenance - Standard Practices."
9. LDC Section 37.05 (E)(1) -At the intersection of two (2) streets, all landscaping within that area defined by the Florida Department of Transportation sight triangle, as outlined in the FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System shall be installed and maintained below three (3) feet in height or above eight (8) feet in height.
10. LDC Section 37.05 (E)(2) -When a driveway intersects a right-of-way, clear unobstructed cross visibility shall be provided within the site triangle formed by such intersection. The sight triangle shall be measured from the point of intersection, fifteen (15) feet along the access way and then fifteen (15) feet along the right-of-way, with the third side being a line connecting the two (2) points. Cross visibility within the sight triangle shall be unobstructed between the height of three (3) feet and eight (8) feet measured from the ground line. Trees and palms shall have their limbs and foliage trimmed in a manner that no limbs or foliage will extend in to the cross visibility area. To ensure proper visibility at the intersection of access ways with public rights-of-way, excluding properly trimmed trees as previously stated; only ground cover type plants shall be allowed within the sight triangle.



DATE : December 6, 202

PROJECT NO. : 2023.95

DESIGNED BY : KSR

DRAWN BY : KSR

CHECKED BY : KSR

SCALE : _____ N.T.S

SHEET TITLE

PLANTING DETAILS

L-2
SHEET

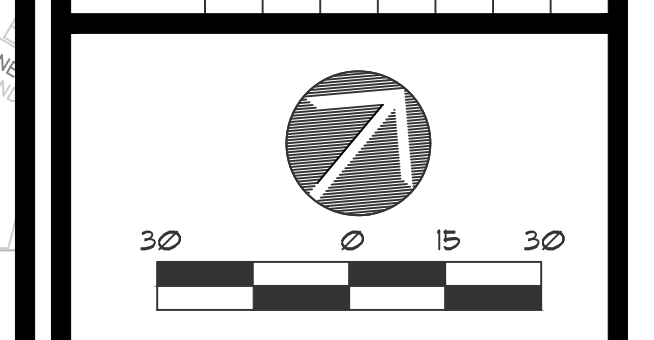
A & K LAND PLANNING & DESIGN
Inc.

PHONE: (904) 476-9692
416 TORTOISE TRACE, SAINT JOHNS, FLORIDA 32259
E-MAIL: AKLANDPLANING@COMCAST.NET
Kristoffer Reed RFA



ANCHOR CHURCH
541798 U.S. HIGHWAY NO. 1
CALLAHAN FL, 32011

REVISIONS :
—
—



DATE : December 6, 2023

PROJECT NO. : 2023.95

DESIGNED BY : KSR

DRAWN BY : KSR

CHECKED BY : KSR

SCALE : 1" = 30'

SHEET TITLE

IRRIGATION
PLAN


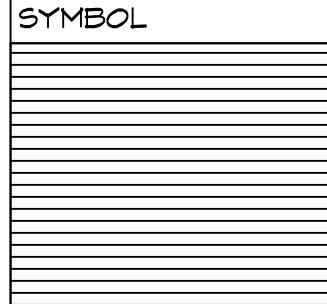
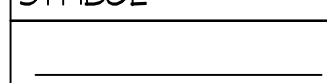


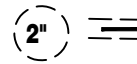







LD C 37.05 K: Maintenance.

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4. MAIN LINE AND VALVE LOCATIONS SHOWN FOR GRAPHIC CLARITY ONLY. ALL IRRIGATION COMPONENTS TO BE WITHIN PROPERTY LINES.

VALVE SCHEDULE ANCHOR CHURCH									
NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PRECIP
1	Hunter ICV-G-FS (Zone Valve)	1"	Area for Dripline	14.56	40	1.54	3	44.5	0.71 in/h
2	Hunter ICV-G-FS (Zone Valve)	1"	Bubbler	6.5	30	9.74	2.65	42.4	1.7 in/h
3	Hunter ICV-G-FS (Zone Valve)	1"	Area for Dripline	16.25	40	2.84	3	45.8	0.71 in/h

IRRIGATION SCHEDULE						
SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Hunter PCB	14	360	30	0.50	3'
	Area to Receive Dripline Hunter PLD-10-18 In-Line Pressure Compensating Landscape Dripline with Built-In Check Valve, 1.0 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. UV Resistant. Use PLD-LOC fitting or barbed fittings.	2,729 l.f.				
	Irrigation Lateral Line: PVC Class 315 SDR 13.5 SDR 13.5 1/2" and 3/4" lines	332.5 l.f.				
	Irrigation Lateral Line: PVC Class 160 SDR 26 SDR 26 for all 1" and larger lateral lines	502.8 l.f.				
	MAINLINE Irrigation mainline, Schedule 40 PVC pipe 1 1/4" size.	1,100 l.f.				
	SLEEVEING Schedule 40 PVC, 2" Minimum, Size as specified on plan	27.8 l.f.				
	Hunter series 1CV-10IG-F8-AS-ADJ (1" valve) Location shown for graphic clarity	1				
	Hunter 1CZ-10I-XL (Drip Zone Valves) 1" Plastic Electric Remote With Filter Sentry. Each Drip Zone to Have: Flush Valve, Eco Indicator, Air Relief Tubing.	2				
	MASTER VALVE Hunter series 1CV-10IG-F8-AS-ADJ (1" valve) Location shown for graphic clarity	1				
	BACKFLOW DEVICE Wilkins 950XLT- 1" or equal Location shown for graphic clarity	1				
WELL 	EXISTING WELL Contractor to verify pressure and gpm rates to match valve schedule, adjust zones as needed.	1				
	FLOW SENSOR HUNTER, HC-100-Flow-B (1" size) LOCATIONS SHOWN FOR CLARITY ONLY	1				
	CONTROLLER Hunter series PHC-12 (12 Zone) Install with Mini-Click rain sensor. LOCATION SHOWN FOR CLARITY ONLY	1				

Irrigation Contractor shall be responsible for all applicable fees and permits.

All PVC pipe connection shall be glued together per ASTM D 2855, two step method.

All Pipe and Wire under paving shall be placed in Schedule 40 P.V.C. Sleeves for the full pavement coverage length and shall be at least 24" below grade.

Mainlines shall be buried to provide a minimum cover of 18", while all Lateral lines shall have a minimum of 12".

The Contractor should take care to reroute piping as necessary to avoid plant or tree roots.

All Sprinklers shall be site adjusted to prevent water overthrow onto building surfaces and walkways.

All Control Wiring to be 14/1 U.F. direct burial.

Install a "MiniClik" rain sensor device.
Verify location with Owners Representative.

Install Backflow Preventer in an inconspicuous location such as shrubbery. Location shown for graphic clarity purposes only.

Contractor responsible for 100% irrigation coverage

All irrigation risers to be painted black

Mainline location shown for graphic clarity purposes only.

Valve box location shown for graphic clarity purposes only.

Irrigation system designed to not exceed 5 feet per second flow through any piping. Any deviation from design upon installation voids these drawings and shall be done so as to not exceed 5' per second through any piping as well.

Irrigation water shall be free of particulates larger than 10 micron or .01 micrometers.



**A & K LAND PLANNING & DESIGN
Inc.**
PHONE: (904) 476-9692
416 TORTOISE TRACE, SAINT JOHNS, FLORIDA 32259
E-MAIL: AKLANDPLANNING@COMCAST.NET
30501offer Road, FLA
33466crr

ANCHOR CHURCH
541798 U.S. HIGHWAY NO. 1
CALLAHAN FL, 32011

REVISIONS :

DATE : December 6, 2023

PROJECT NO. : 2023.95

DESIGNED BY : KSRDRAWN BY : KS

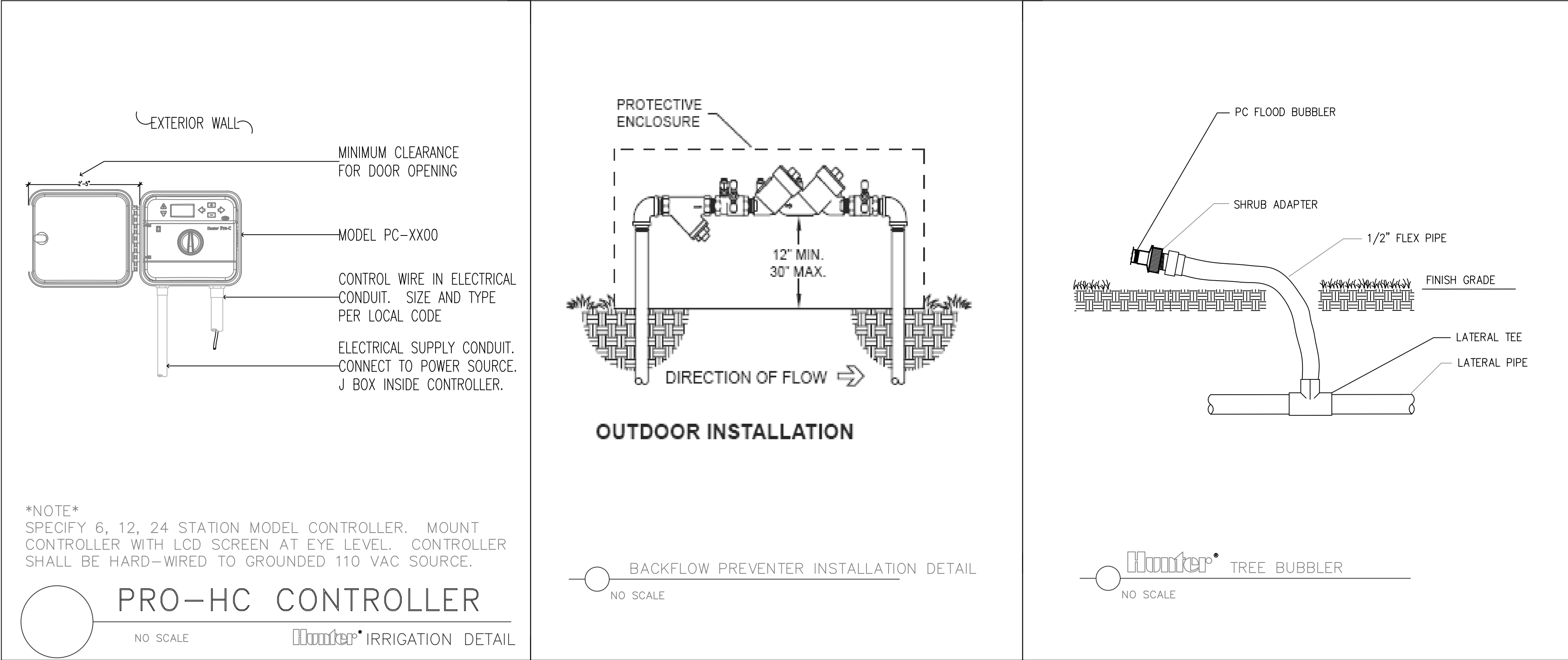
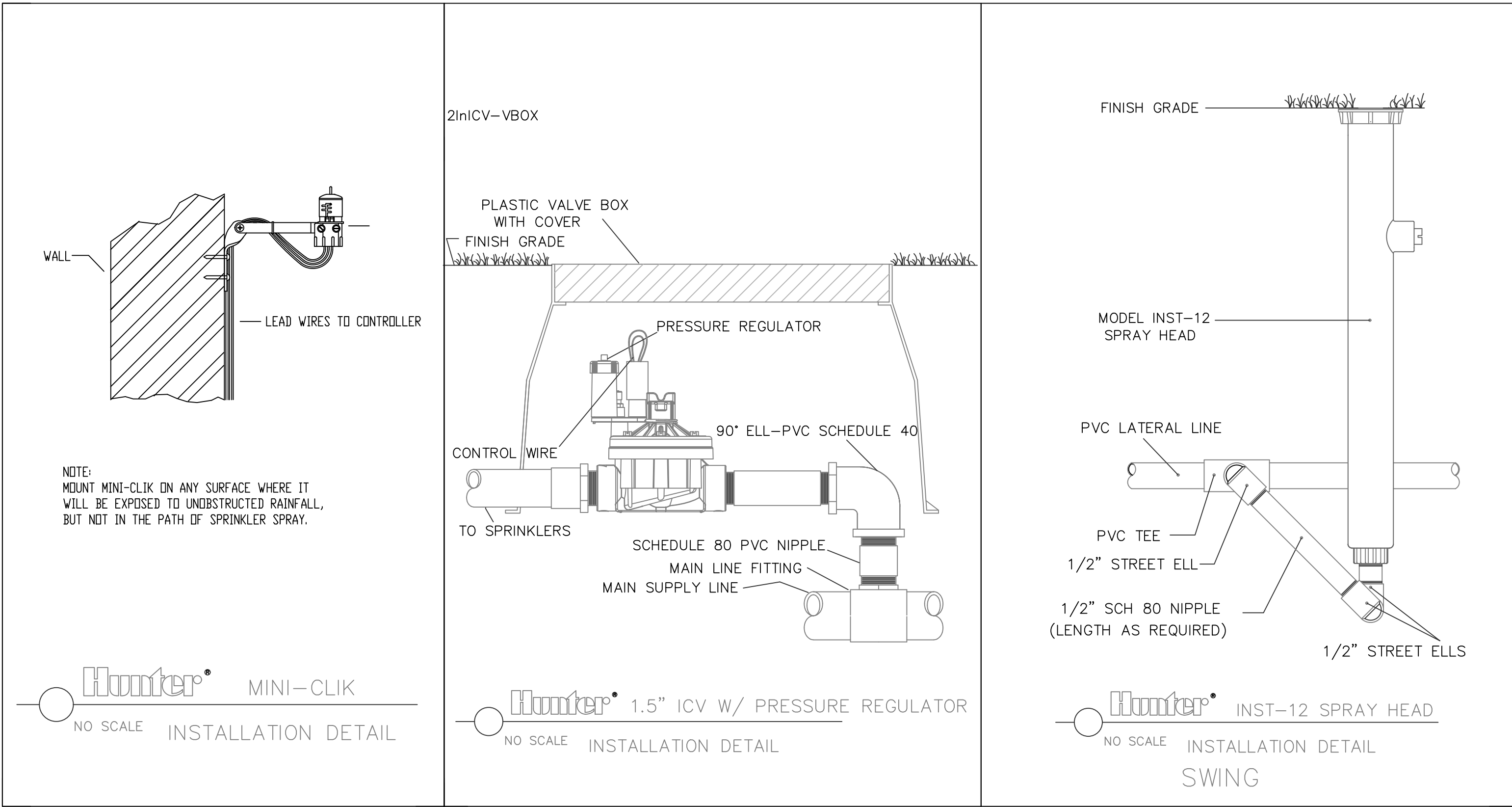
CHECKED BY : KSR

SCALE : _____ N.T.S

SHEET TITLE

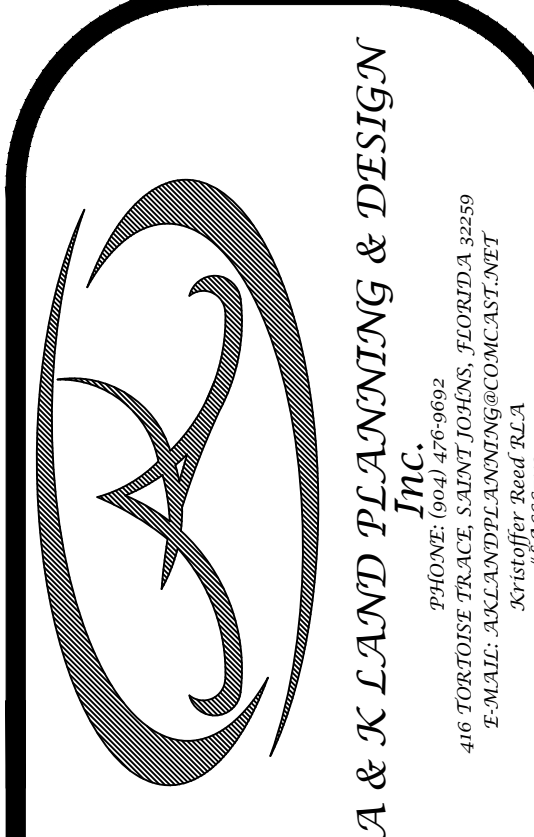
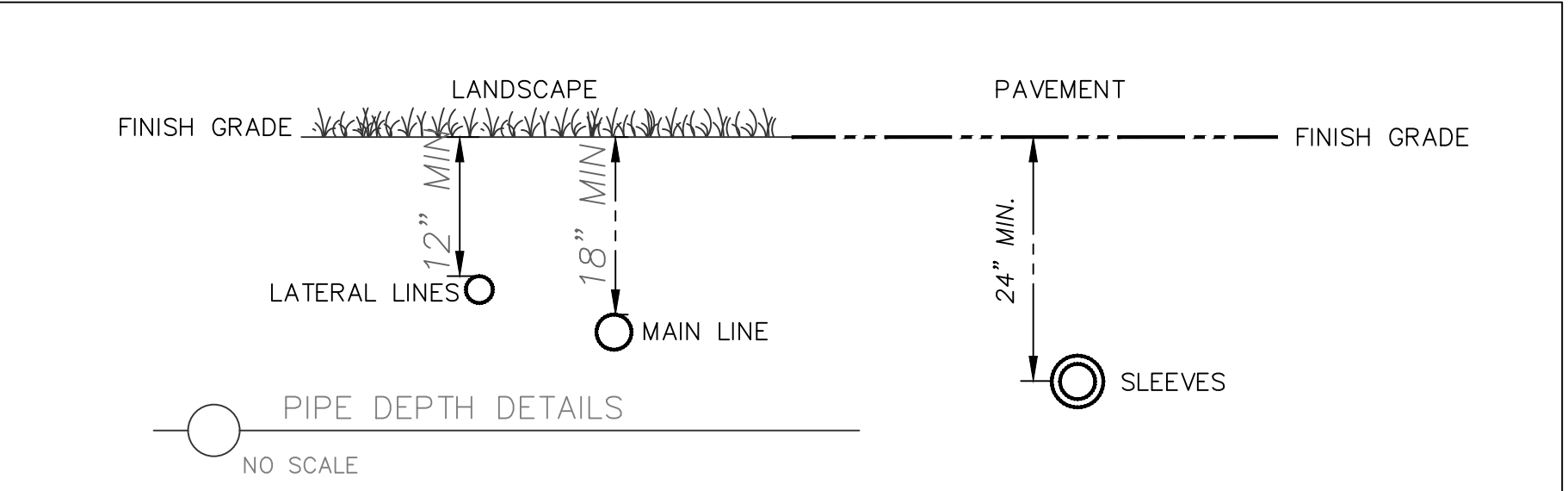
IRRIGATION DETAILS

1-2
S H E E T



ORDINANCE CHAPTER 366 SCHEDULE AND IRRIGATION REQUIREMENTS:

MARCH-NOVEMBER (DAYLIGHT SAVINGS TIME)	NOVEMBER - MARCH (STANDARD TIME)
<ul style="list-style-type: none">NO WATERING FROM 10AM TO 4 PMODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z OR NO ADDRESS MAY WATER ON WEDNESDAY AND SATURDAYEVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON THURS. AND SUNDAYNON-RESIDENTIAL ADDRESSES MAY WATER ON TUESDAY AND FRIDAYAPPLY UP TO 2 1/2 - INCH OR LESS OF WATER EACH CYCLE	<ul style="list-style-type: none">NO WATERING FROM 10 AM TO 4 PMODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z OR NO ADDRESS MAY WATER ON SATURDAYEVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON SUNDAYNON-RESIDENTIAL ADDRESSES MAY WATER ON ONLY ON TUESDAYAPPLY UP TO 2 1/2 - INCH OR LESS OF WATER ONE TIME PER WEEK

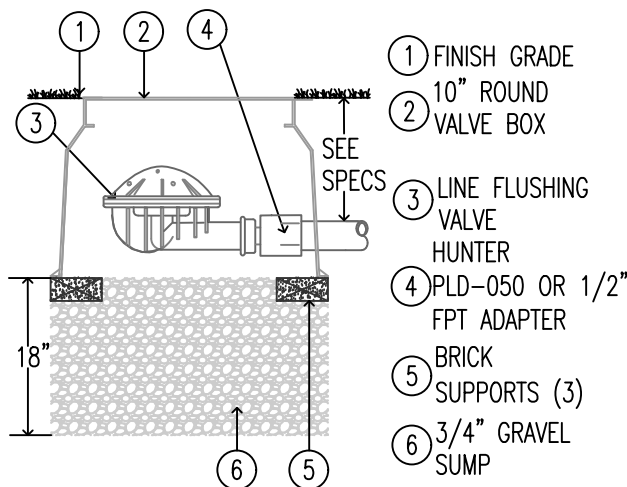


ANCHOR CHURCH
541798 U.S. HIGHWAY NO. 1
CALLAHAN FL, 32011

REVISIONS :
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1
1

DATE : December 6, 2023
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DESIGNED BY : KSR
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SCALE : N.T.S.

SHEET TITLE
IRRIGATION
DETAILS



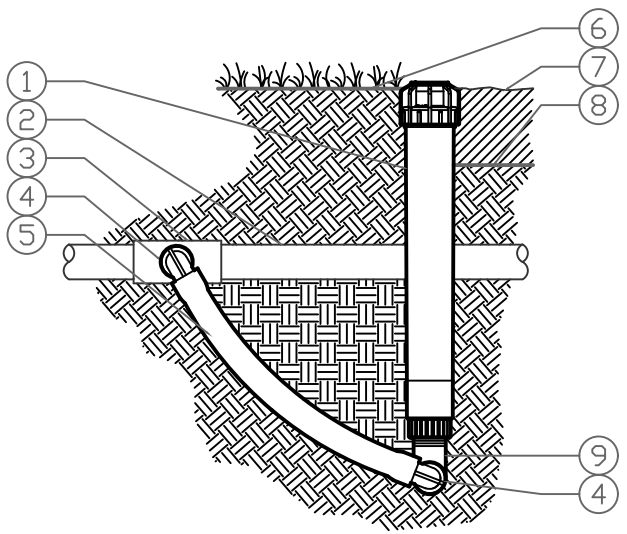
FLUSH VALVE AUTOMATIC

SCALE: N.T.S.

Hunter

LEGEND:

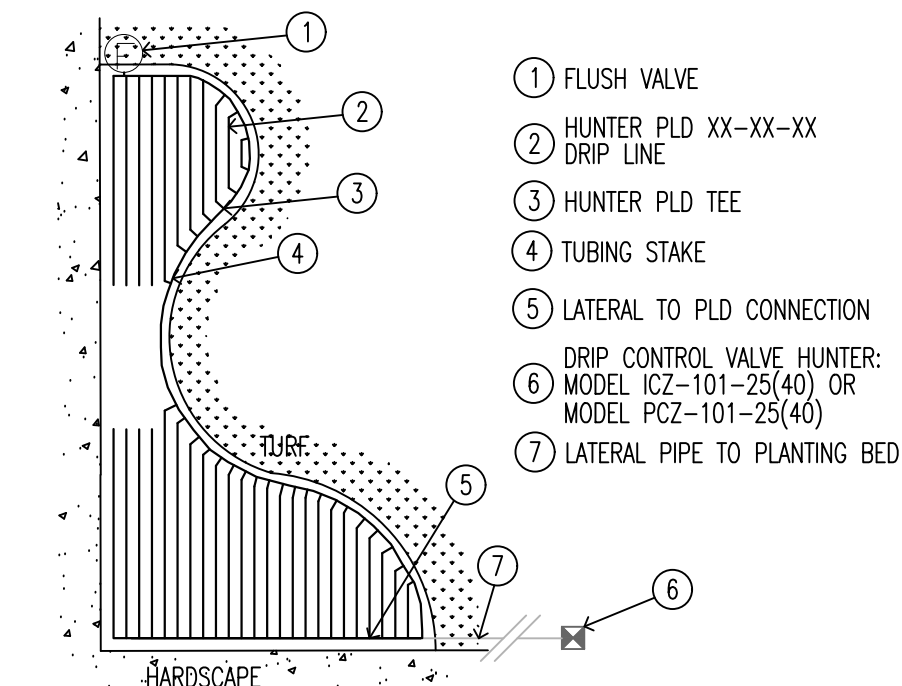
- ECO INDICATOR - ECOID
- LATERAL PIPE PER PLAN
- FPT CONNECTION FROM LATERAL
- SPIRAL BARB ELBOW - HSBE-XXX
- FLEX_{ss} TUBING - FLEXSG
- FINISHED GRADE IN TURF
- ADJACENT MULCH
- FINISHED GRADE IN PLANTER BED
- MARLEX STREET ELBOW



ECO INDICATOR WITH FLEX TUBING

NOT TO SCALE

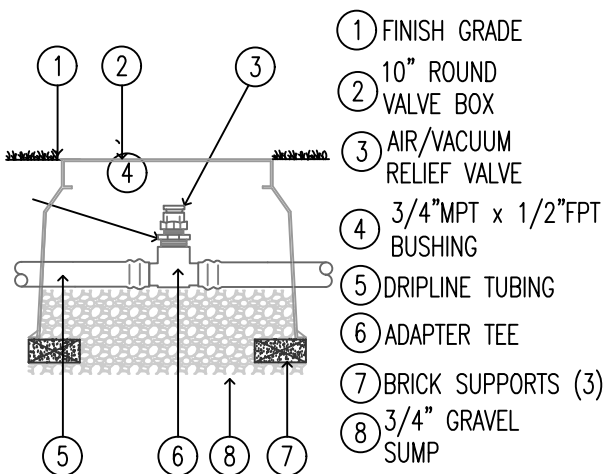
Hunter HM.EI.02



PLANTING BED

NOT TO SCALE

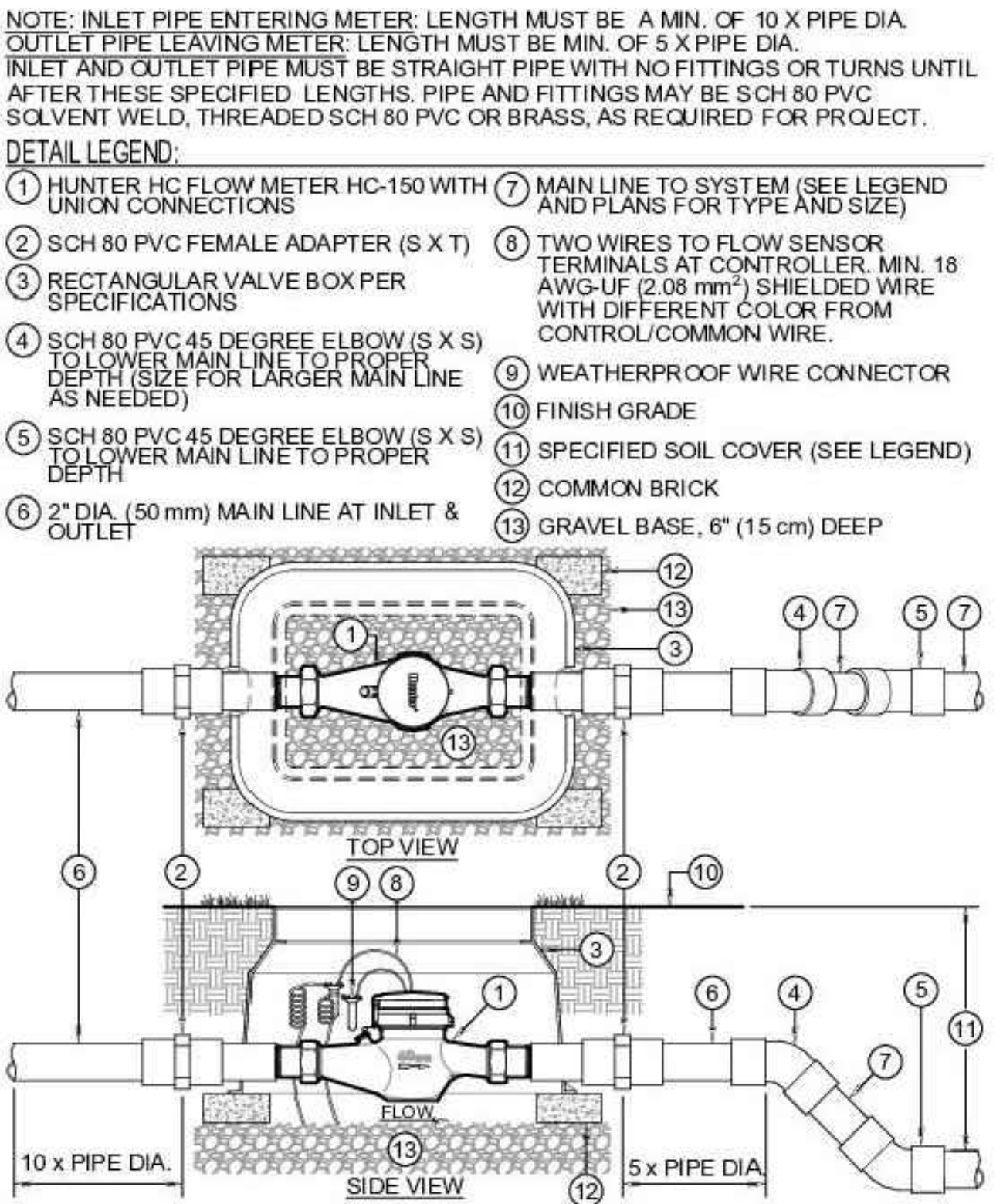
Hunter IRRIGATION DETAIL



AIR RELIEF TUBING

SCALE: N.T.S.

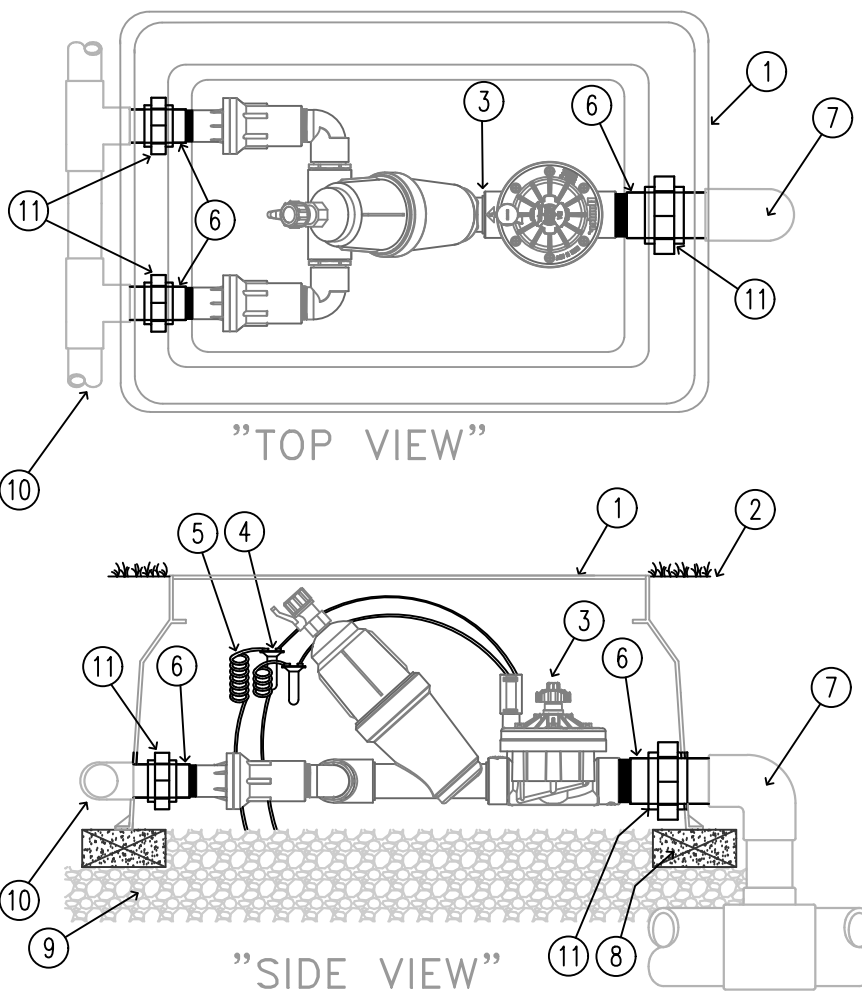
Hunter



FLOW METER

SCALE: N.T.S.

Hunter IRRIGATION DETAIL



ICZ-151-40 DRIP CONTROL KIT

SCALE: N.T.S.

Hunter IRRIGATION DETAIL

ANCHOR CHURCH
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SHEET TITLE
IRRIGATION
DETAILS